Name

Sinusoidal Function Parameters (3 Params) - Parameters to Function

1

$$\text{Amplitude} = \frac{6}{3}$$
$$\text{Phase Shift} = \frac{4}{5}\pi \text{ left}$$
$$\text{Vertical Shift} = \frac{3}{2}$$

Which sinusoidal function has these parameters?

A $f(x) = \frac{6}{3}\cos(\frac{6}{11}\pi x - \frac{4}{5}) + \frac{3}{2}$

B $f(x) = \frac{6}{3}\cos(\frac{6}{11}\pi x - \frac{4}{5}\pi) + \frac{3}{2}$

C $f(x) = \frac{4}{5}\cos(\frac{6}{11}\pi x + \frac{6}{3}\pi) + \frac{3}{2}$

D $f(x) = \frac{6}{3}\cos(\frac{6}{11}\pi x + \frac{4}{5}\pi) + \frac{3}{2}$

2

$$\text{Amplitude} = \frac{8}{5}$$
$$\text{Period} = \frac{10\pi}{6}$$
$$\text{Phase Shift} = \frac{6}{2} \text{ left}$$

Which sinusoidal function has these parameters?

A $f(x) = -\frac{8}{5}\cos(\frac{6}{5}\pi x + \frac{6}{2}) + \frac{6}{7}$

B $f(x) = -\frac{8}{5}\cos(\frac{6}{5}x - \frac{6}{2}) + \frac{6}{7}$

C $f(x) = -\frac{8}{5}\cos(\frac{6}{5}x + \frac{6}{2}) + \frac{6}{7}$

D $f(x) = \frac{6}{2}\cos(\frac{6}{5}x - \frac{8}{5}) + \frac{6}{7}$

3

$$\text{Amplitude} = \frac{8}{2}$$
$$\text{Period} = \frac{22}{6}$$
$$\text{Vertical Shift} = \frac{5}{3}$$

Which sinusoidal function has these parameters?

A $f(x) = \frac{8}{2}\sin(\frac{6}{11}\pi x + \frac{7}{2}\pi) + \frac{5}{3}$

B $f(x) = \frac{8}{2}\sin(\frac{7}{2}\pi x + \frac{6}{11}\pi) + \frac{5}{3}$

C $f(x) = \frac{5}{3}\sin(\frac{6}{11}\pi x + \frac{7}{2}\pi) + \frac{8}{2}$

D $f(x) = \frac{7}{2}\sin(\frac{6}{11}\pi x + \frac{8}{2}\pi) + \frac{5}{3}$

4

$$\text{Amplitude} = \frac{5}{11}$$
$$\text{Period} = \frac{22}{8}$$
$$\text{Phase Shift} = \frac{3}{5}\pi \text{ left}$$

Which sinusoidal function has these parameters?

A $f(x) = \frac{5}{11}\sin(\frac{8}{11}\pi x + \frac{3}{5}\pi) + \frac{7}{2}$

B $f(x) = \frac{5}{11}\sin(\frac{8}{11}\pi x - \frac{3}{5}\pi) + \frac{7}{2}$

C $f(x) = \frac{5}{11}\sin(-\frac{3}{5}\pi x + \frac{8}{11}\pi) + \frac{7}{2}$

D $f(x) = \frac{8}{11}\sin(\frac{5}{11}\pi x + \frac{3}{5}\pi) + \frac{7}{2}$

5

$$\text{Period} = \frac{14\pi}{4}$$
$$\text{Phase Shift} = \frac{2}{7}\pi \text{ left}$$
$$\text{Vertical Shift} = \frac{4}{2}$$

Which sinusoidal function has these parameters?

A $f(x) = \frac{3}{2}\sin(\frac{4}{7}x + \frac{4}{2}\pi) + \frac{2}{7}$

B $f(x) = \frac{3}{2}\sin(\frac{4}{7}x + \frac{2}{7}\pi) + \frac{4}{2}$

C $f(x) = \frac{3}{2}\sin(\frac{4}{7}\pi x + \frac{2}{7}\pi) + \frac{4}{2}$

D $f(x) = \frac{3}{2}\sin(\frac{2}{7}x + \frac{4}{7}\pi) + \frac{4}{2}$

6

$$\text{Amplitude} = \frac{4}{7}$$
$$\text{Period} = \frac{14\pi}{8}$$
$$\text{Phase Shift} = \frac{6}{5} \text{ left}$$

Which sinusoidal function has these parameters?

A $f(x) = \frac{4}{7}\cos(\frac{8}{7}\pi x + \frac{6}{5}) + \frac{2}{11}$

B $f(x) = \frac{4}{7}\cos(\frac{8}{7}x + \frac{2}{11}) + \frac{6}{5}$

C $f(x) = \frac{4}{7}\cos(\frac{8}{7}x + \frac{6}{5}) + \frac{2}{11}$

D $f(x) = \frac{4}{7}\cos(\frac{2}{11}x + \frac{6}{5}) + \frac{8}{7}$

7

$$\text{Amplitude} = \frac{2}{7}$$
$$\text{Period} = \frac{22}{4}$$
$$\text{Phase Shift} = \frac{3}{2}\pi \text{ left}$$

Which sinusoidal function has these parameters?

A $f(x) = \frac{2}{7}\cos(\frac{4}{11}\pi x + \frac{3}{2}\pi) + \frac{5}{11}$

B $f(x) = \frac{2}{7}\cos(\frac{4}{11}\pi x - \frac{3}{2}\pi) + \frac{5}{11}$

C $f(x) = \frac{2}{7}\cos(-\frac{3}{2}\pi x + \frac{4}{11}\pi) + \frac{5}{11}$

D $f(x) = \frac{5}{11}\cos(\frac{4}{11}\pi x + \frac{3}{2}\pi) + \frac{2}{7}$

8

$$\text{Period} = \frac{22\pi}{8}$$
$$\text{Phase Shift} = \frac{6}{11} \text{ left}$$
$$\text{Vertical Shift} = \frac{2}{3}$$

Which sinusoidal function has these parameters?

A $f(x) = -\frac{6}{5}\cos(\frac{8}{11}x + \frac{6}{11}) + \frac{2}{3}$

B $f(x) = -\frac{6}{5}\cos(\frac{8}{11}x + \frac{6}{11}\pi) + \frac{2}{3}$

C $f(x) = \frac{2}{3}\cos(\frac{8}{11}x + \frac{6}{11}) - \frac{6}{5}$

D $f(x) = -\frac{6}{5}\cos(\frac{8}{11}x + \frac{2}{3}) + \frac{6}{11}$